



Chairman's Report on JOCOTAS Activities

**JOCOTAS – Industry Meeting
Panama City, FL | November 2, 2011**

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Standardization is vital for military success



Joint Standardization Boards

The purpose of a JSB is to:

- Identify standardization opportunities and,
- Bridge the gap between a technical working group and the standardization community

- *Aerial Refueling Systems*
- *Joint Committee on Tactical Shelters*
- *Intermodal Equipment*
- *Mobile Electric Power*
- *Power Source Systems*
- *Fusing/Initiation Systems*

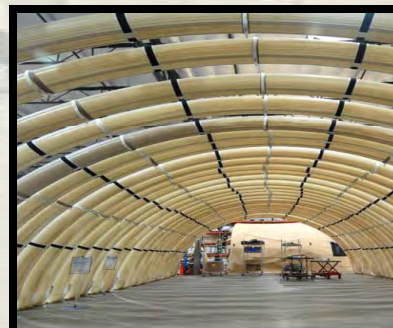


JOCOTAS

Standard



Shelters





Power Generation and Distribution Programs



2kW

Military Tactical Generator



3kW



5kW



10kW



15kW



30kW



60kW



100kW



200kW

Tactical Quiet Generators

Deployable Power Generation & Distribution System (DPGDS)



840kW



Power Units/Power Plants (PU/PP)



Power Distribution Illumination System Electrical (PDISE)



ARMY BASE CAMPS





Forward Operating Base Logar Afghanistan





Contingency Basing Challenges



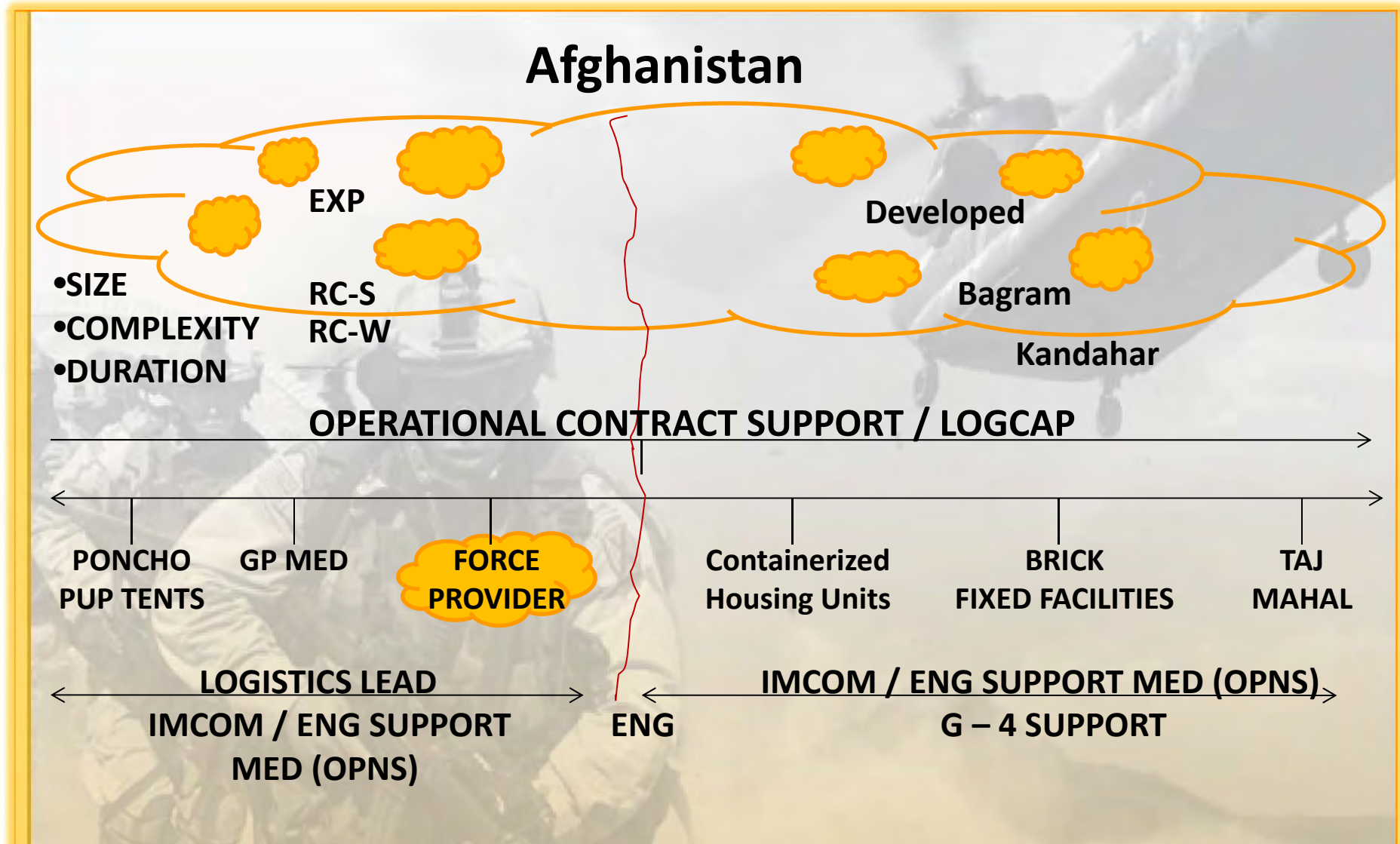
Demand for fuel rising due to rising demand for watts



Resupply of fuel and drinking water for troops in-theater costs lives



Standardization Opportunities Non-Traditional Installations / Base Camps



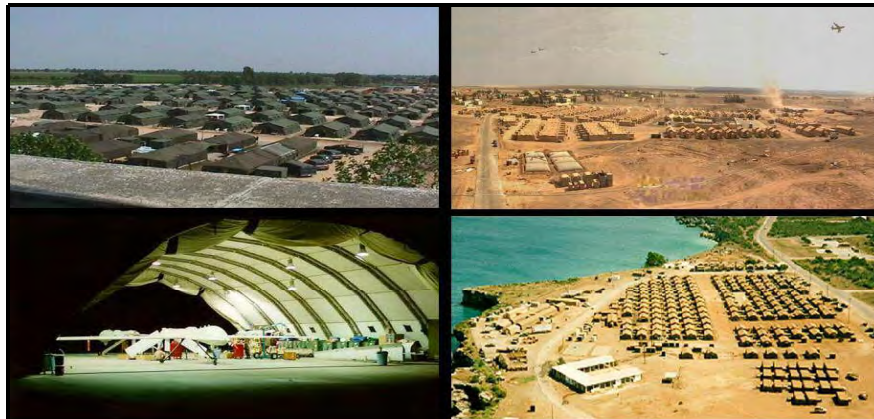


Joint Expeditionary Basing Working Group (JEBWG)



- **Charter signed by senior logistics officers from each service**
- **Army and Air Force co-chair the JEBWG**
- **Anticipated benefits**
 - Lower Service R&D costs (less duplication of effort)
 - Leverage economies of scale
- **Developed business processes that reflect group collaboration**
- **JEBWG - Acquisition**
 - Current contract vehicles for other Services to utilize
 - Future and emerging requirements
- **JEBWG - Engineering**
 - Common engineering standards
 - Hardware specifications

Basic Expeditionary Airfield Resources (BEAR)



Force Provider (FP)





JOCOTAS Chairman's Report



- **Purpose of JOCOTAS**
- **Current Focus**
- **Top Priorities**
- **Accomplishments**



Purpose of JOCOTAS

- Establish a DOD standard family of tactical shelters.
- Enforce the maximum use of the DOD standard family of tactical shelters.

➡ Actively advocate for the development and fielding of state of the art shelters and ancillary equipment.

➡ Establish standards for shelters to ensure structural and environmental performance, and compatibility with commercial and military transportation and material handling assets.

➡ Share information and any available resources to eliminate duplication of shelter technology development efforts; working toward common solutions for identified problem areas.

➡ Provide a forum for interaction between JOCOTAS and Industry.



Current Focus



- **Actively advocate for the development and fielding of state of the art shelters and ancillary equipment**
 - Contingency Basing
- **Establish standards for shelters to ensure structural and environmental performance**
 - DoD Energy Management
- **Share information and any available resources to eliminate duplication of shelter technology development efforts; working toward common solutions for identified problem areas**
 - Working Groups focusing on joint priorities



Rigid Wall Shelter Working Group Top Priorities



- **Corrosion**
 - Coordinating efforts to prevent and mitigate effects
- **Effect of Rapid Air Cabin Pressure Changes**
 - Joint effort to understand effects of rapid decompression and compression in order to better design mitigation devices
- **Logistical Footprint**
 - Power
 - Conservation through redesign
 - Developing systems to more efficiently consume power
 - Investigation of novel generation approaches
 - Weight
 - Coordinating research and development to achieve reduction through redesign
 - Size
 - Coordinating development of quickly erectable structures for billeting
- **Cost**
 - Coordinating research and development to achieve reduction through redesign



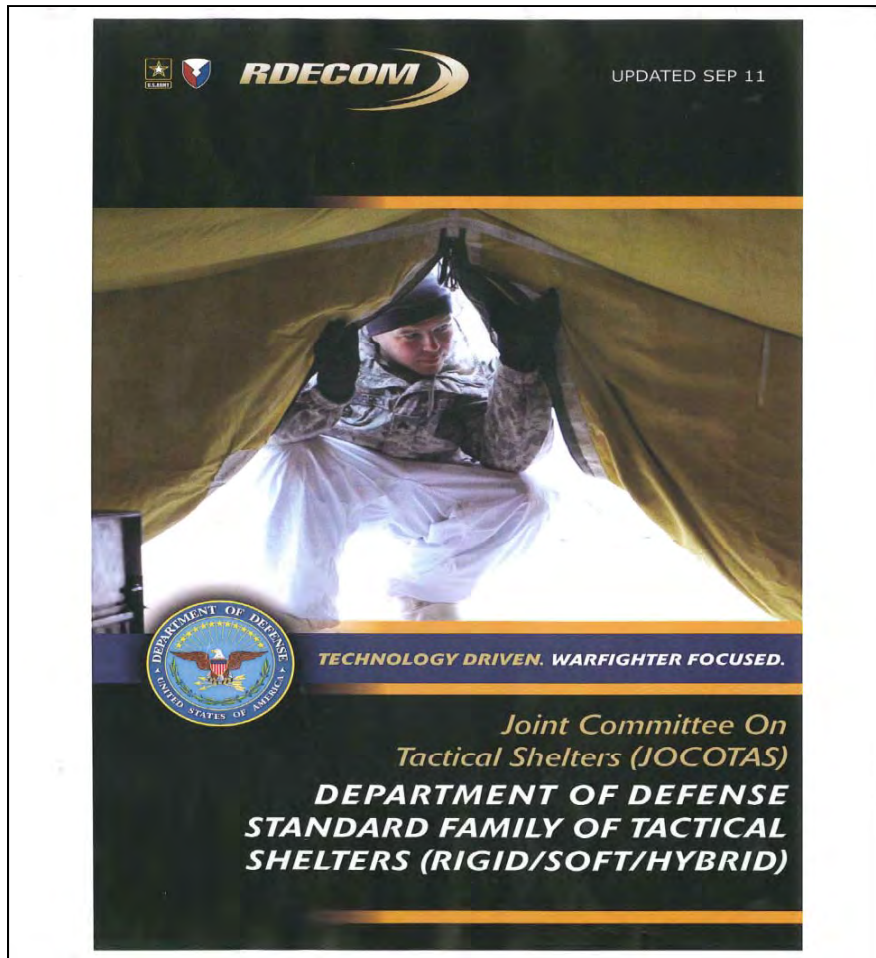
Shelter Technology Working Group Top Priorities



- **Contingency Basing Science and Technology**
 - Reducing manpower requirements to establish and maintain base camps
 - Provide inherent protection
 - Reduce resupply requirements
- **Operational Energy – Technologies for Increased Efficiencies**
 - Advanced thermal insulation
 - Energy efficient LED lighting technologies
 - Energy efficient shelter design
- **Technology-enabled Capability Demonstrations**
 - 1.a. Force Protection, Basing
 - 4.a. Sustainability/Logistics, Basing
 - 4.b. Sustainability/Logistics, Transport, Distribute & Dispose



Accomplishments

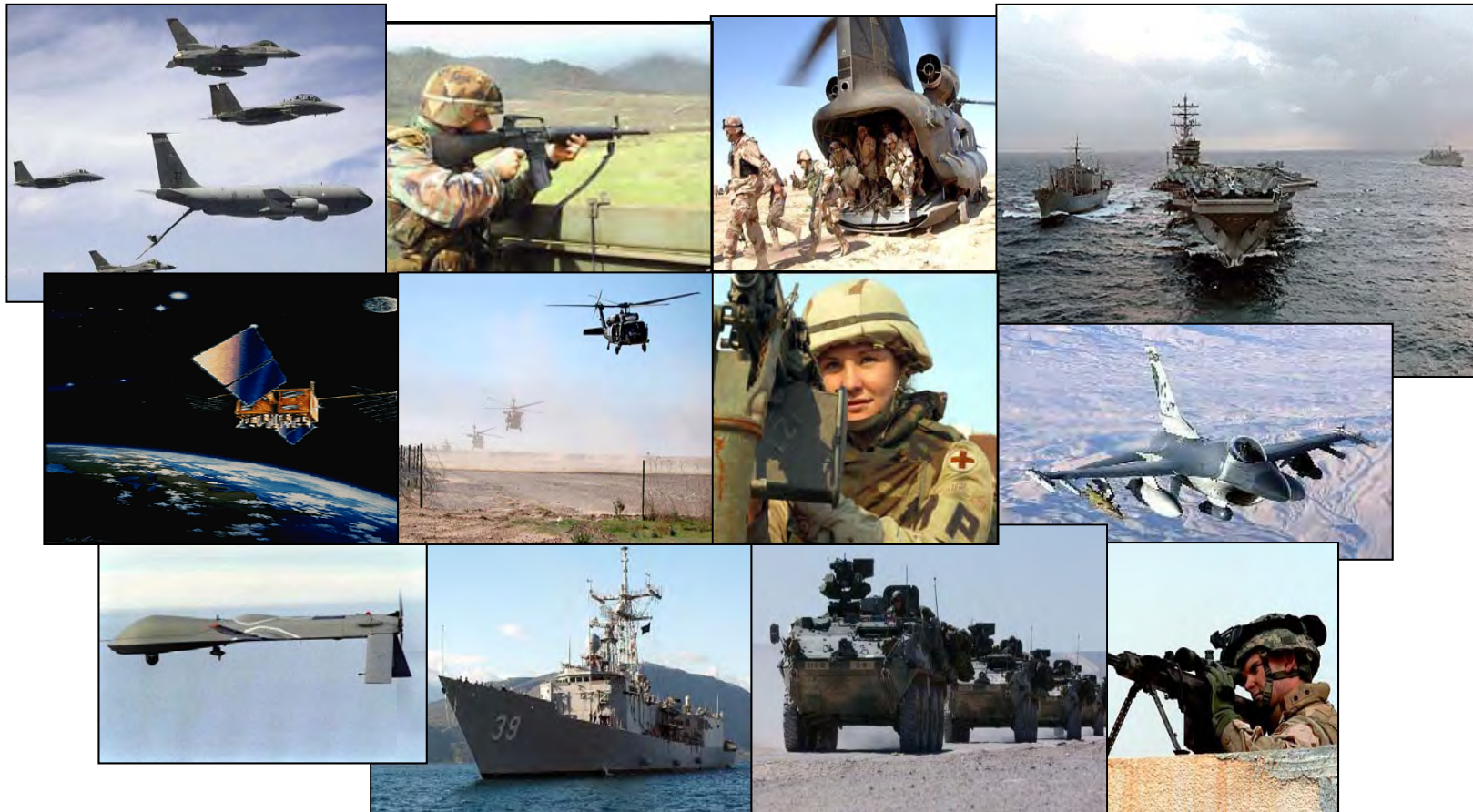


- Revised JOCOTAS Charter
- Developed a process for introducing a new shelter into the standard family of tactical shelters
- Clarified the waiver process
- Updated the JOCOTAS brochure

<http://www.natick.army.mil/soldier/media/print/jocotas.pdf>



Thank You for Your Attention



Standardization – Making Systems Work Together